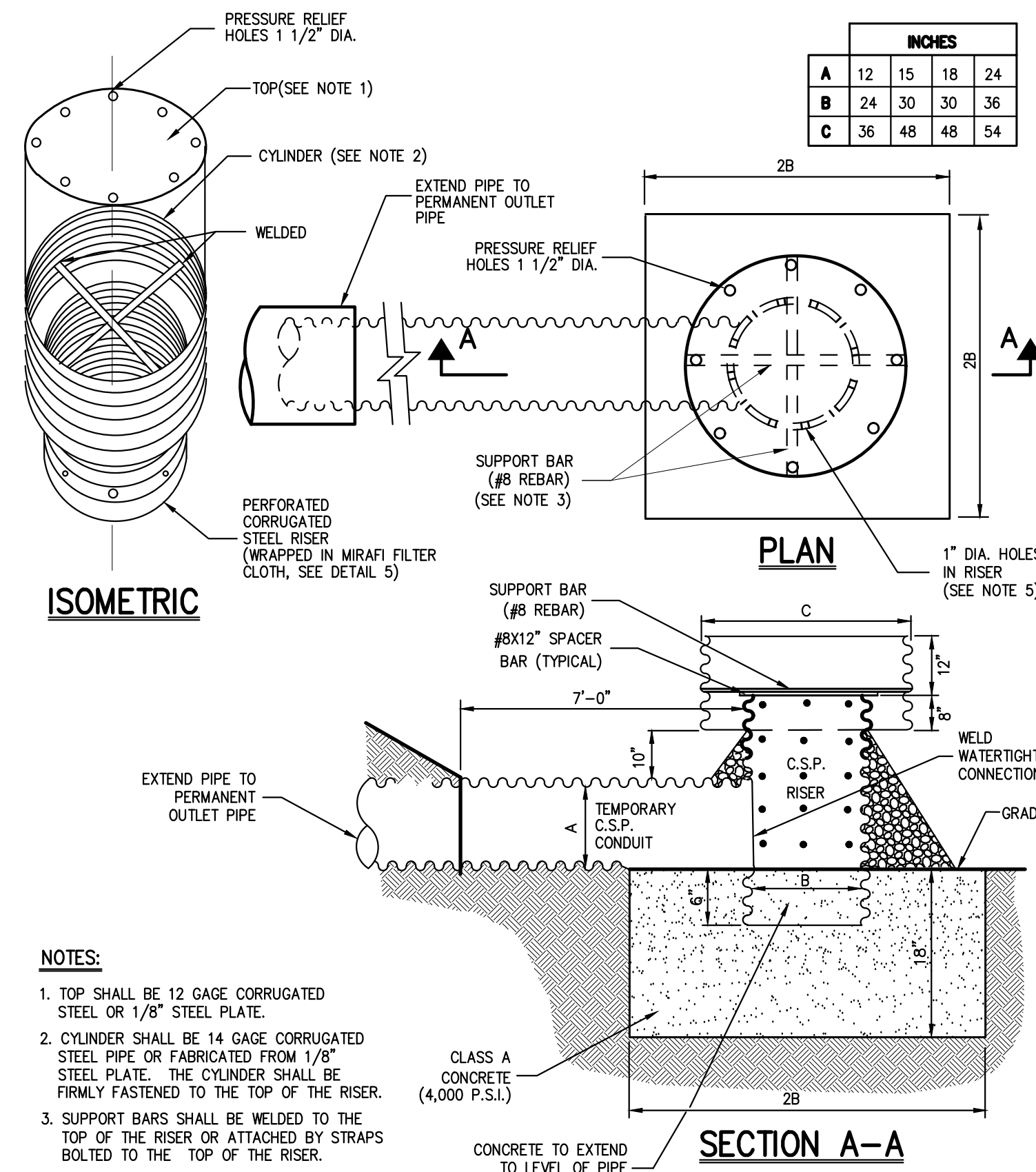
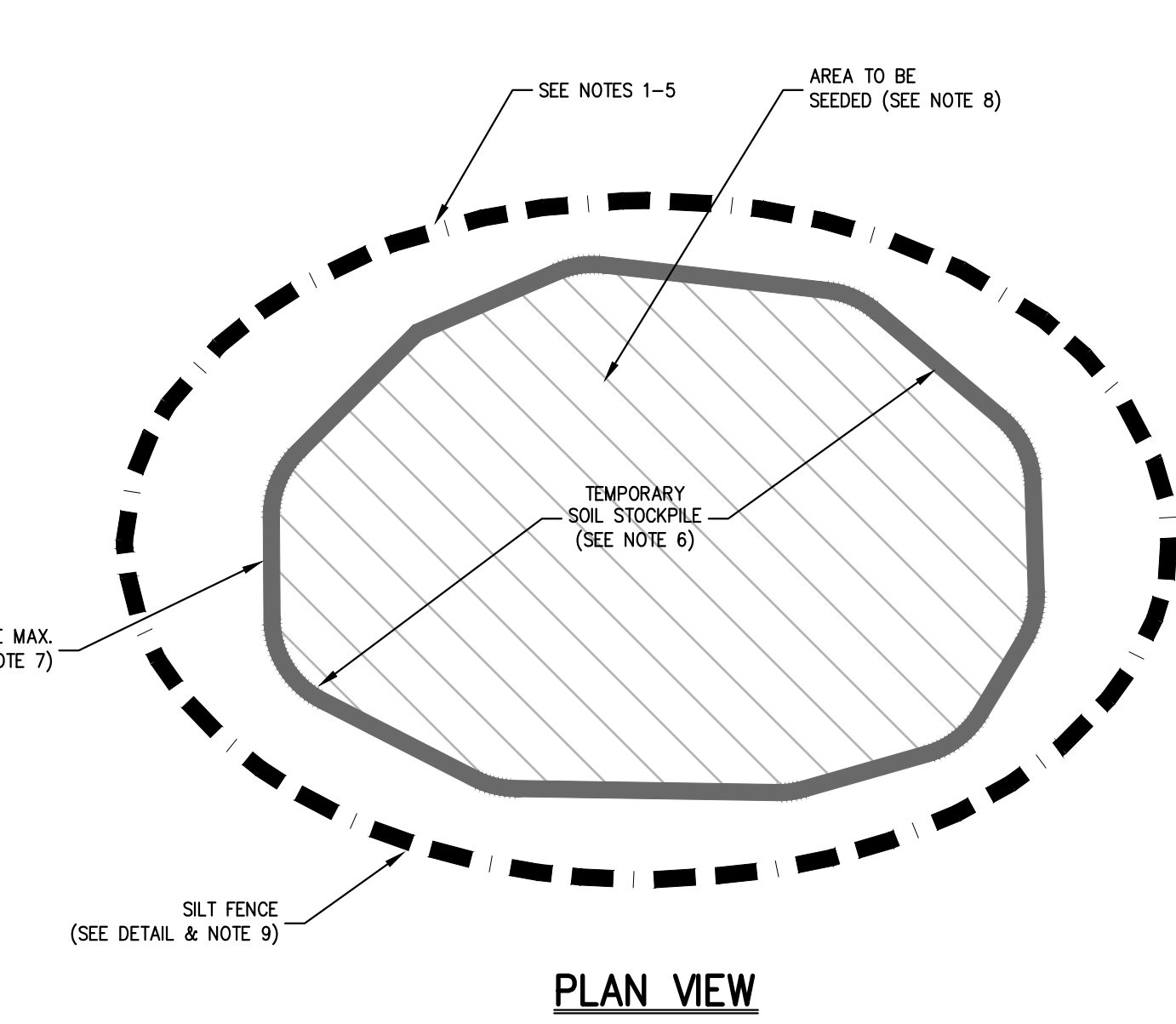


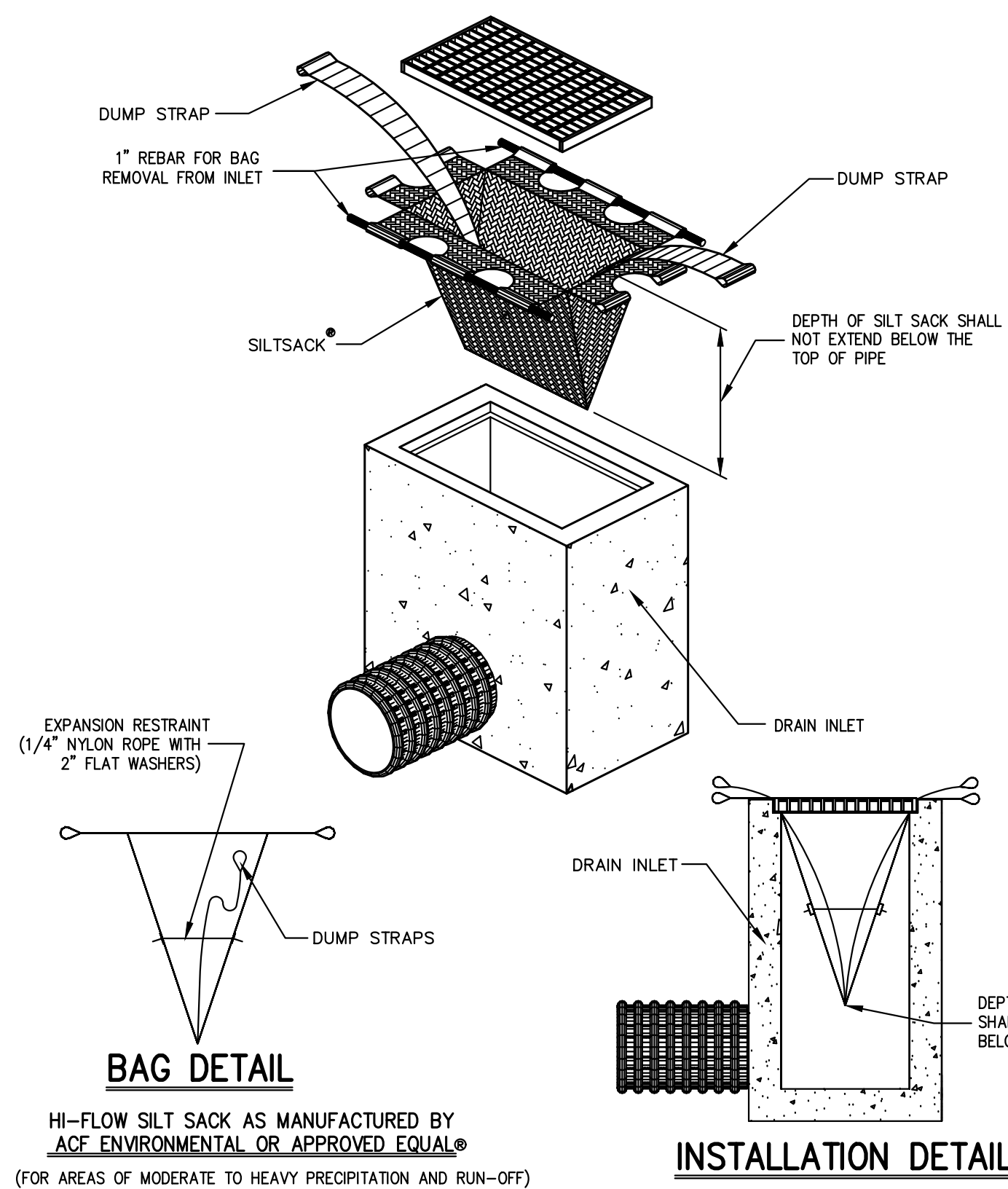
NOTES:

1. WHEN WIRE FENCE SHALL BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL, EITHER T OR U TYPE OR HARDWOOD.
2. FILTER CLOTH SHALL BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24\"/>



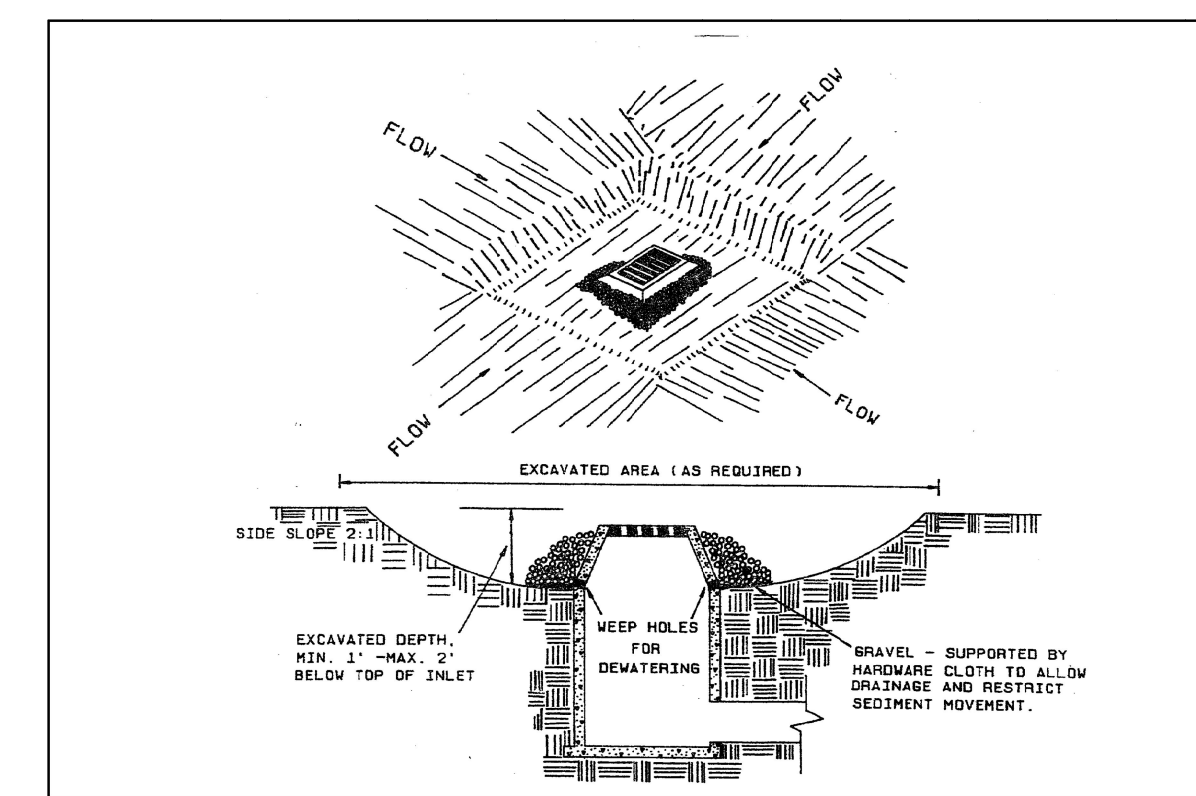
NOTES:

1. TOP SHALL BE 1/4 GAUGE CORRUGATED STEEL OR 1/8\"/>



PROPERTIES

PROPERTIES	TEST METHOD	UNITS
GRAIN TENSILE STRENGTH	ASTM D-4632	250 LBS.
GRAIN TENSILE ELONGATION	ASTM D-4632	20 %
MULLER BURST	ASTM D-3786	420 PSI
TRAPZOID TEAR	ASTM D-4633	20 LBS.
UV RESISTANCE	ASTM D-4353	90 %
APPROXIMATE OPENING SIZE	ASTM D-4751	50 MIC.
FLOW RATE	ASTM D-4491	200 GAL/MIN/50 FT
PERMEABILITY	ASTM D-4491	1.5 SEC.-1"



1. CLEAR THE AREA OF ALL DEBRIS THAT WILL HINDER EXCAVATION.
2. GRADE APPROACH TO THE INLET UNIFORMLY AROUND THE BASIN.
3. WEED HOLES SHALL BE PROTECTED BY STONE.
4. PROVIDE FREQUENT INSPECTION AND MAINTENANCE. REMOVE ACCUMULATED SEDIMENT AND REPAIR OR REPLACE INLET PROTECTION TO MAINTAIN EFFECTIVENESS OF THE INSTALLATION.
5. UPON STABILIZATION OF CONTRIBUTING DRAINAGE AREA, SEAL WEED HOLES FULL BASIN WITH STABLE SOIL TO FINAL GRADE, COMPACT IT PROPERLY AND STABILIZE WITH PERMANENT SEEDING.

TEMPORARY SOIL STOCKPILE WITH SILT FENCE

1

TEMPORARY RISER & ANTI-VORTEX DEVICE

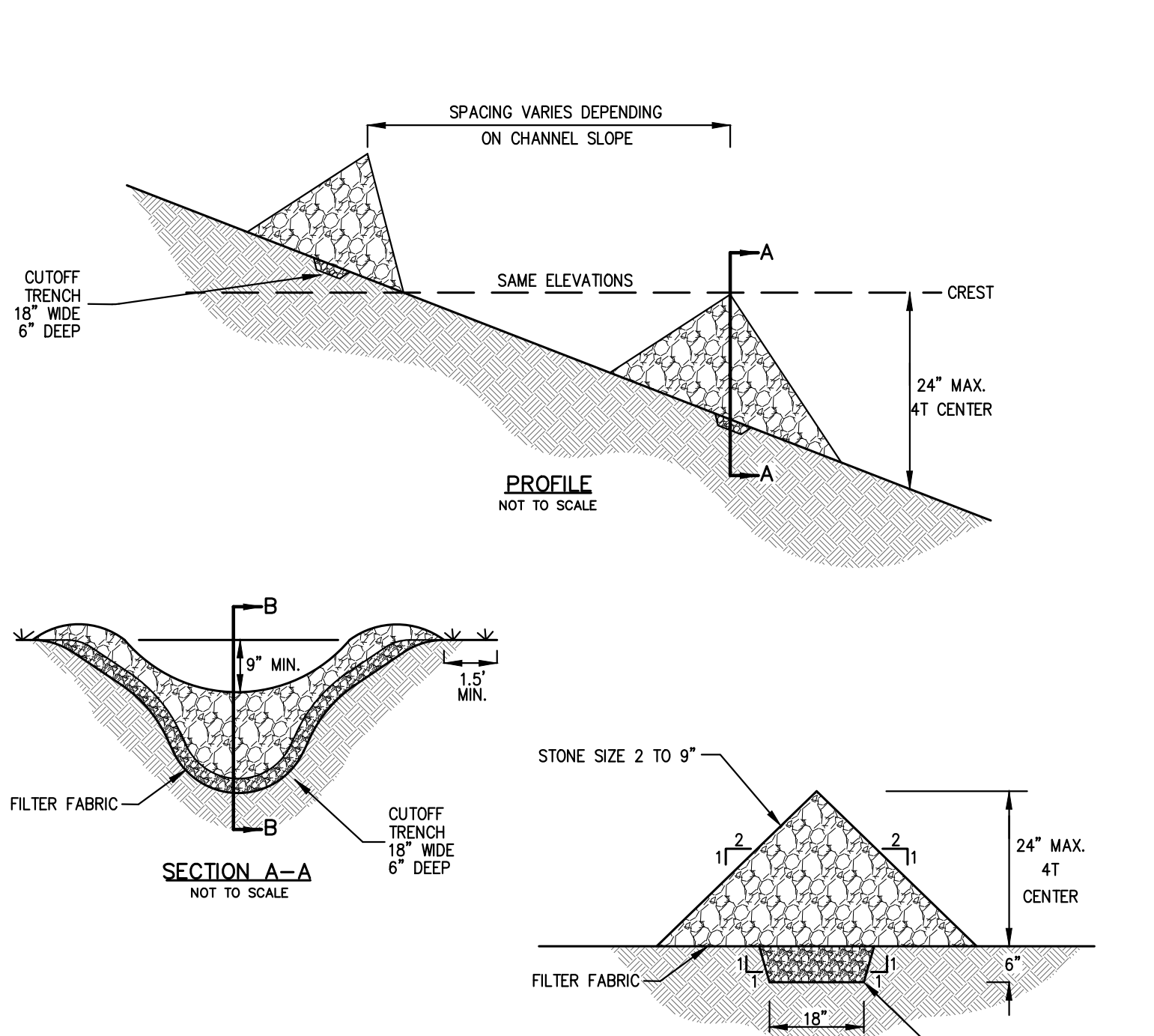
2

SILT SACK

3

EXCAVATED DROP INLET PROTECTION

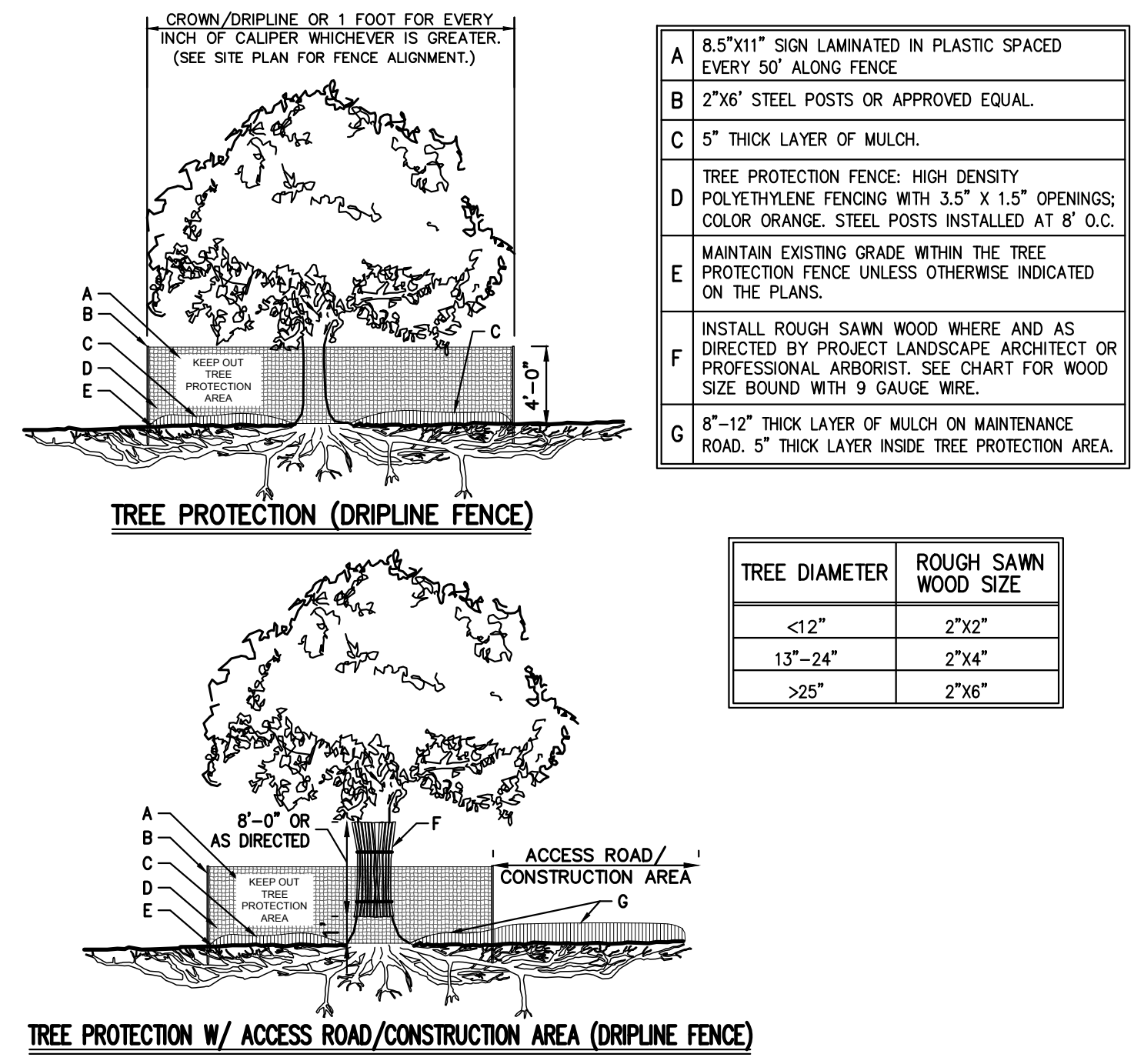
4



CONSTRUCTION SPECIFICATIONS:

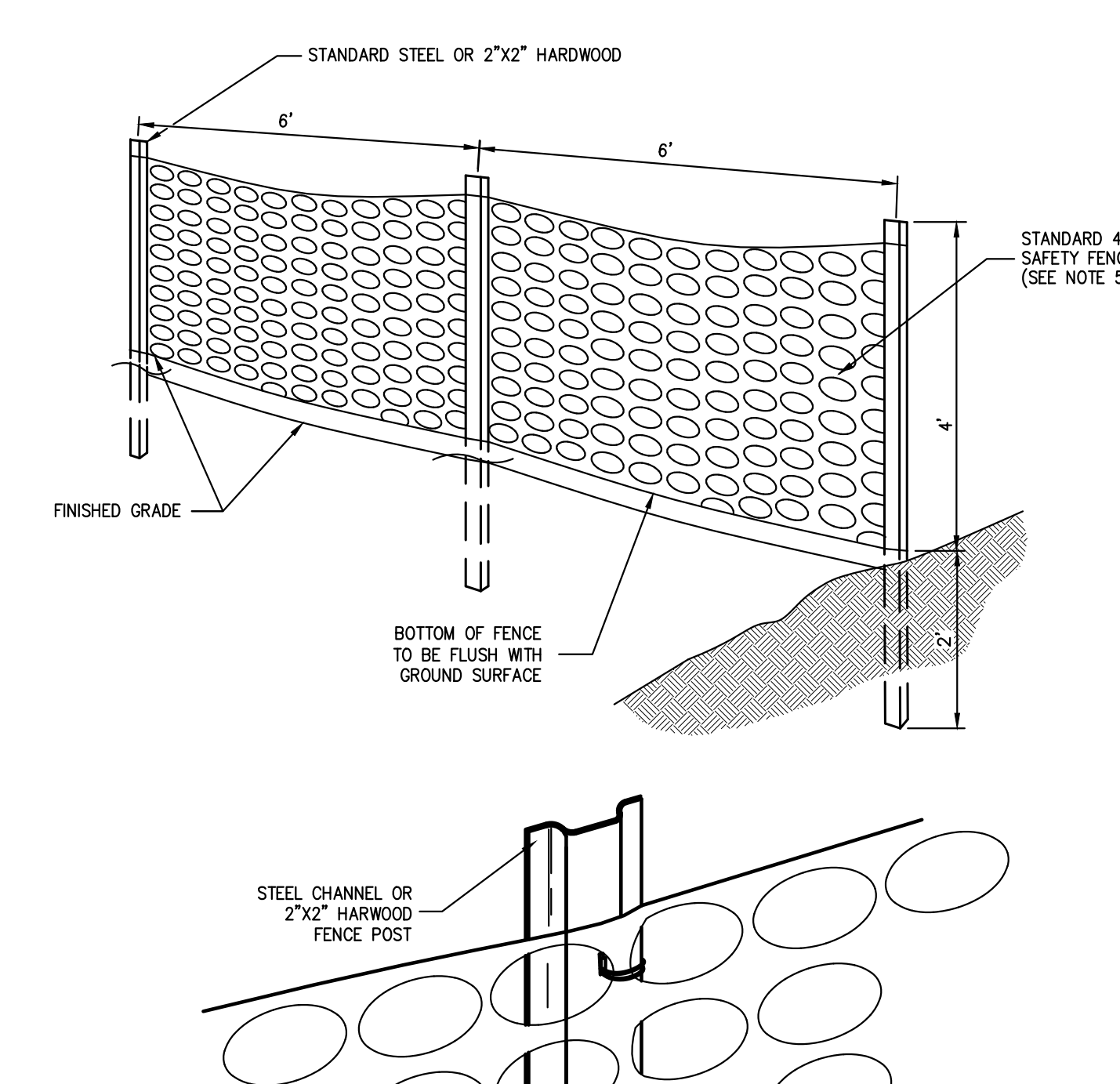
1. STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATIONS SHOWN IN THE PLAN.
2. SET SPACING OF CHECK DAMS TO ASSURE THAT THE ELEVATIONS OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION OF THE TOE OF THE UPSTREAM DAM.
3. EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANK TO PREVENT CUTTING AROUND THE DAM.
4. PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.
5. ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONES.

MAXIMUM DRAINAGE AREA 2 ACRES.



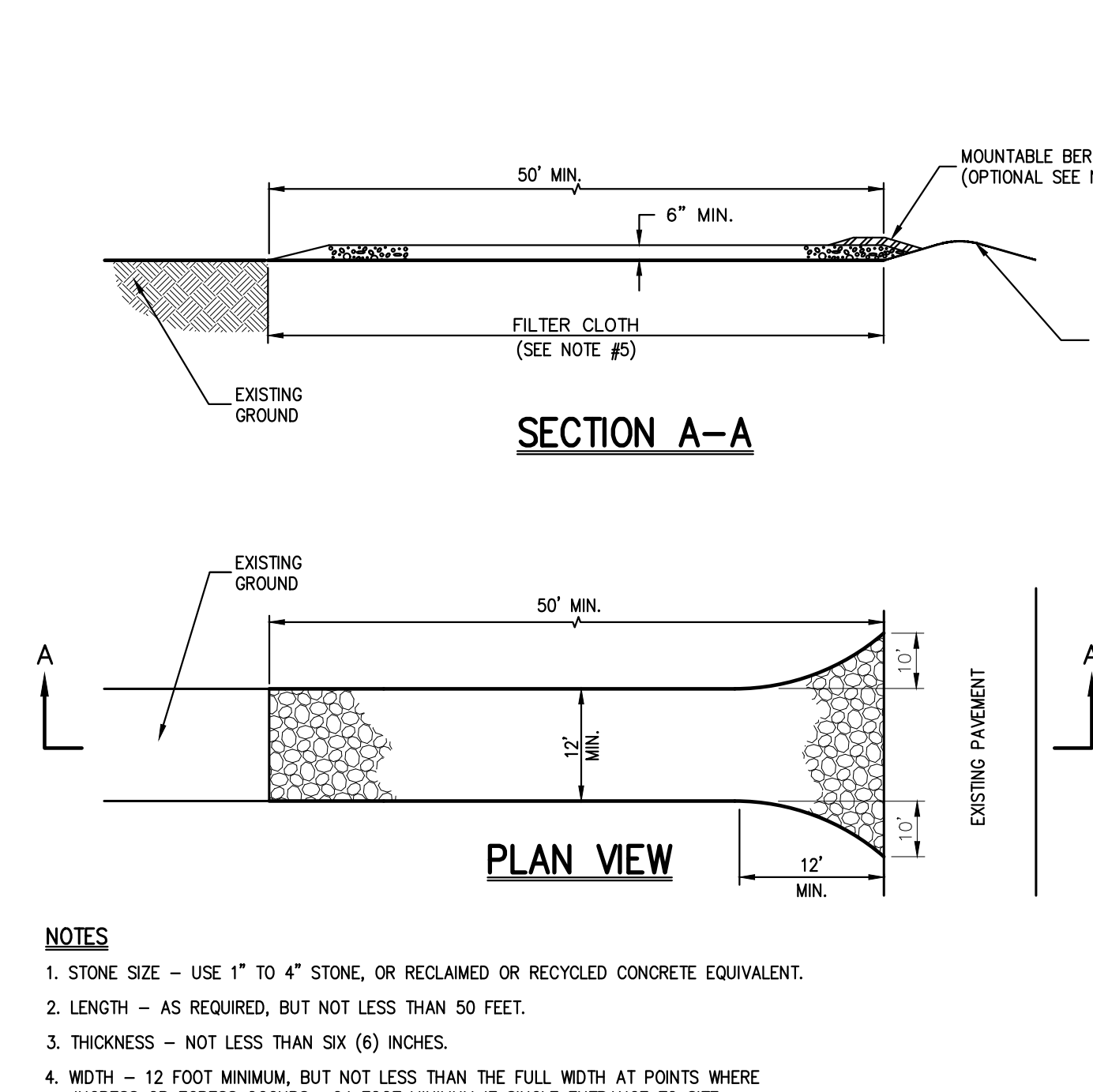
NOTES:

1. SEE SPECIFICATIONS FOR ADDITIONAL TREE PROTECTION REQUIREMENTS.
2. IF THERE IS NO EXISTING IRRIGATION, SEE SPECIFICATIONS FOR WATERING REQUIREMENTS.
3. NO PRUNING SHALL BE PERFORMED EXCEPT BY APPROVED ARBORIST.
4. NO EQUIPMENT SHALL OPERATE INSIDE THE PROTECTIVE FENCING INCLUDING DURING FENCE INSTALLATION AND REMOVAL.
5. SEE SITE PLANS FOR IDENTIFICATIONS/LOCATIONS OF INDIVIDUAL TREES TO BE PROTECTED.
6. ALL EXCAVATION WITHIN THE CROWN/DRIPLINE OF ANY TREE SHALL BE PERFORMED UNDER THE DIRECT SUPERVISION OF THE PROJECT LANDSCAPE ARCHITECT OR PROFESSIONAL ARBORIST. SPECIAL MEASURES, SUCH AS THE USE OF AN AIR SPACE MAY BE REQUIRED.
7. THE CONTRACTOR MAY PROPOSE THE USE OF ENGINEERED MATTING OR OTHER ENGINEERED PRODUCTS IN LIEU OF MULCH, WHICH SHALL BE SUBJECT TO THE REVIEW AND APPROVAL OF ALL AUTHORITIES HAVING JURISDICTION.



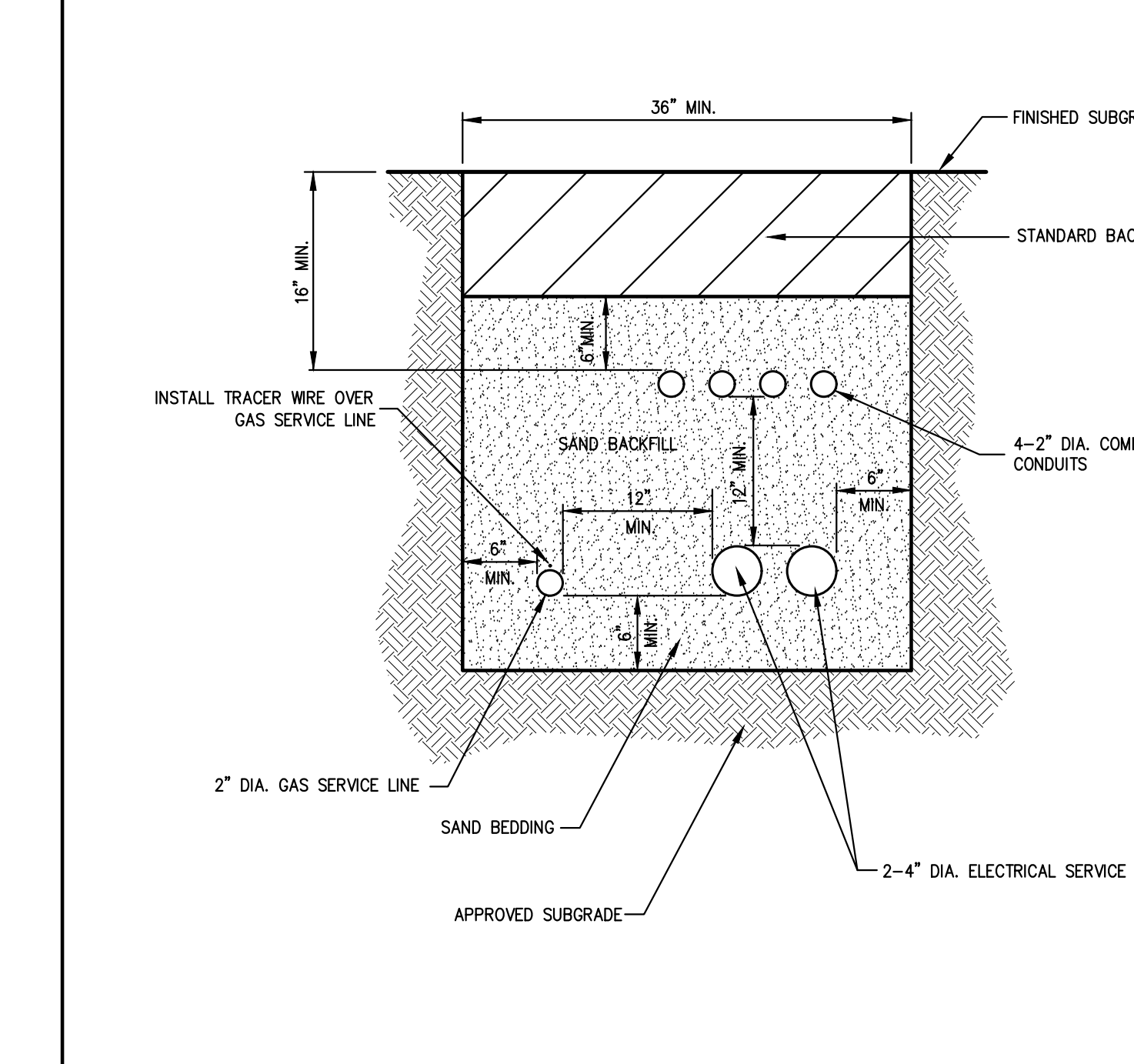
NOTES:

1. SPACE SUPPORT FENCE POSTS AT 6 FOOT INTERVALS.
2. DRIVE SUPPORT POSTS 2 FEET INTO GROUND.
3. FORM FASTEN FENCE MATERIAL IN PLACE BY WRING TO FENCE POST WHILE MAINTAINING TENSION AROUND FULL HEIGHT OF FENCE. WRING SHALL BE DONE IN A MANNER THAT WILL PREVENT PARING OF FENCE MATERIAL.
4. PROVIDE FREQUENT INSPECTION AND MAINTENANCE OF FENCE INCLUDING REPAIRS AS NECESSARY AND REQUIRED.
5. PLASTIC FENCE SHALL BE INTERNATIONAL ORANGE COLOR, AS MANUFACTURED BY ADRI ENTERPRISES, INC. OR APPROVED EQUAL.
6. REMOVE CONSTRUCTION FENCE AS DIRECTED BY THE OWNER'S FIELD REPRESENTATIVE.



NOTES:

1. STONE SIZE - USE 1\"/>



NOTES:

1. UTILITIES TO BE INSTALLED IN ACCORDANCE WITH THE REGULATIONS AND REQUIREMENTS OF THE UTILITY COMPANY HAVING JURISDICTION.
2. BACKFILL FOR PIPE AND CONDUIT SHALL BE PLACED EVENLY AND CAREFULLY AROUND AND OVER THE PIPE OR CONDUIT IN SIX (6) INCH MAXIMUM LAYERS. EACH LAYER SHALL BE THOROUGHLY AND CAREFULLY COMPACTED UNTIL TWELVE (12) INCHES OF COVER EXISTS OVER THE PIPE OR CONDUIT. THE REMAINDER OF THE BACKFILL MAY THEN BE PLACED AND COMPACTED IN A MAXIMUM OF TWELVE (12) INCH LAYERS. EACH LAYER SHALL BE COMPACTED BY APPROVED MECHANICAL TAMPING MACHINES, UNLESS OTHERWISE SPECIFIED. BACKFILL SHALL BE COMPACTED TO NOT LESS THAN 90% MAXIMUM MODIFIED DENSITY IN ACCORDANCE WITH ASTM DESIGNATION D-1557 IN THE MANNER HEREIN DESCRIBED. BACKFILL SHALL PROCEED UP TO THE LINES AND GRADES AS SHOWN ON THE DRAWINGS.
3. CONTRACTOR SHALL STAKE THE PROPOSED SERVICE LINES AND CONDUITS PRIOR TO BACKFILLING TO ENSURE SERVICES DO NOT MOVE WITHIN TRENCH.

STONE CHECK DAM

5

TREE PROTECTION

6

CONSTRUCTION FENCE

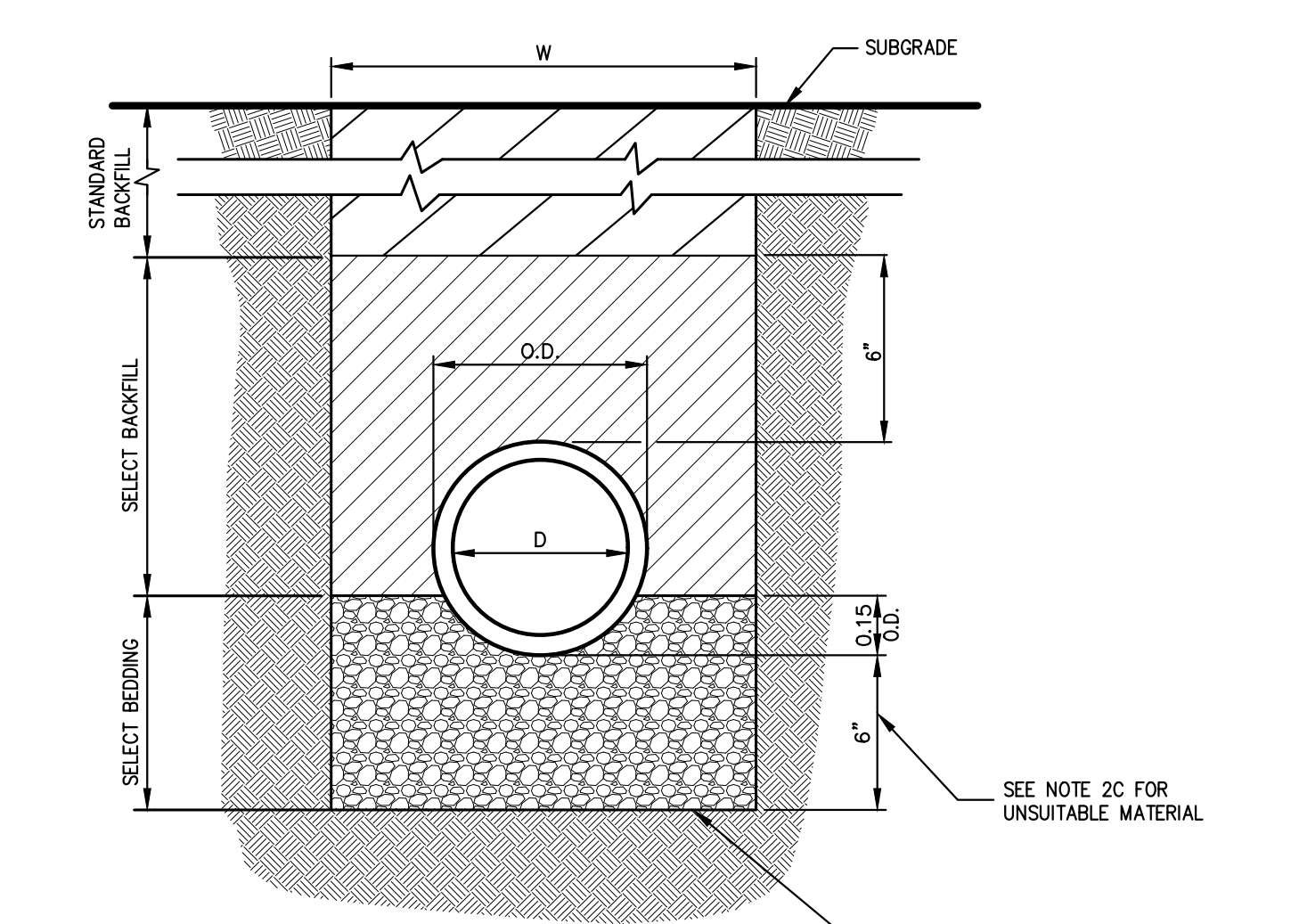
7

STABILIZED CONSTRUCTION ENTRANCE

8

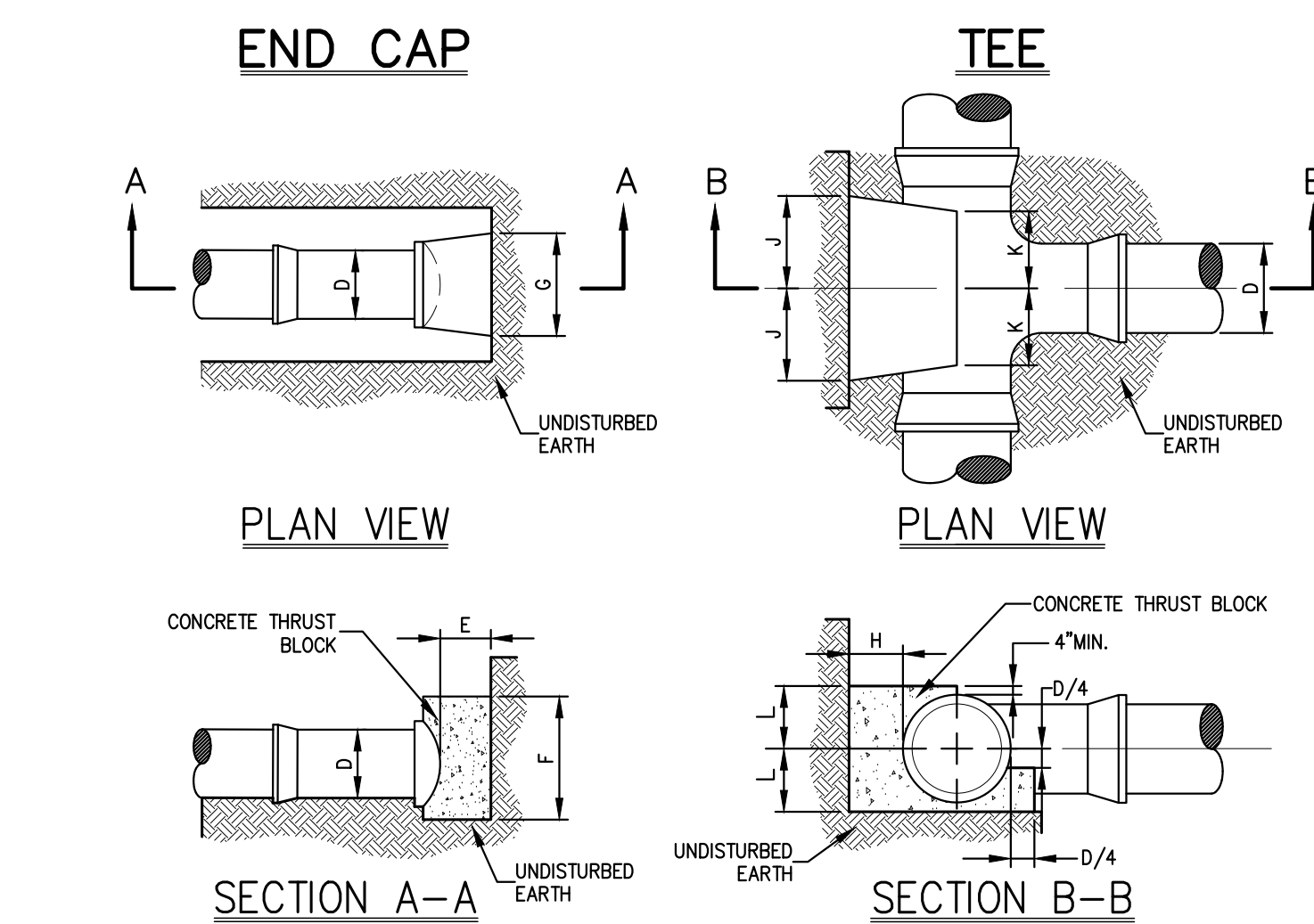
UTILITY TRENCH DETAIL

9



NOTES:

1. FOR TYPE II TRENCH, MATERIAL FOR SELECT BEDDING AND SELECT BACKFILL SHALL BE: A. EITHER SAND OR CRUSHED STONE IF NO WATER IS ENCOUNTERED IN TRENCH. B. 3/4\"/>



END CAP CHART

D	4"	6"	8"	10"	12"
E	6"	8"	10"	12"	14"
F	12"	12"	12"	12"	12"
G	12"	12"	12"	12"	12"

TEE CHART

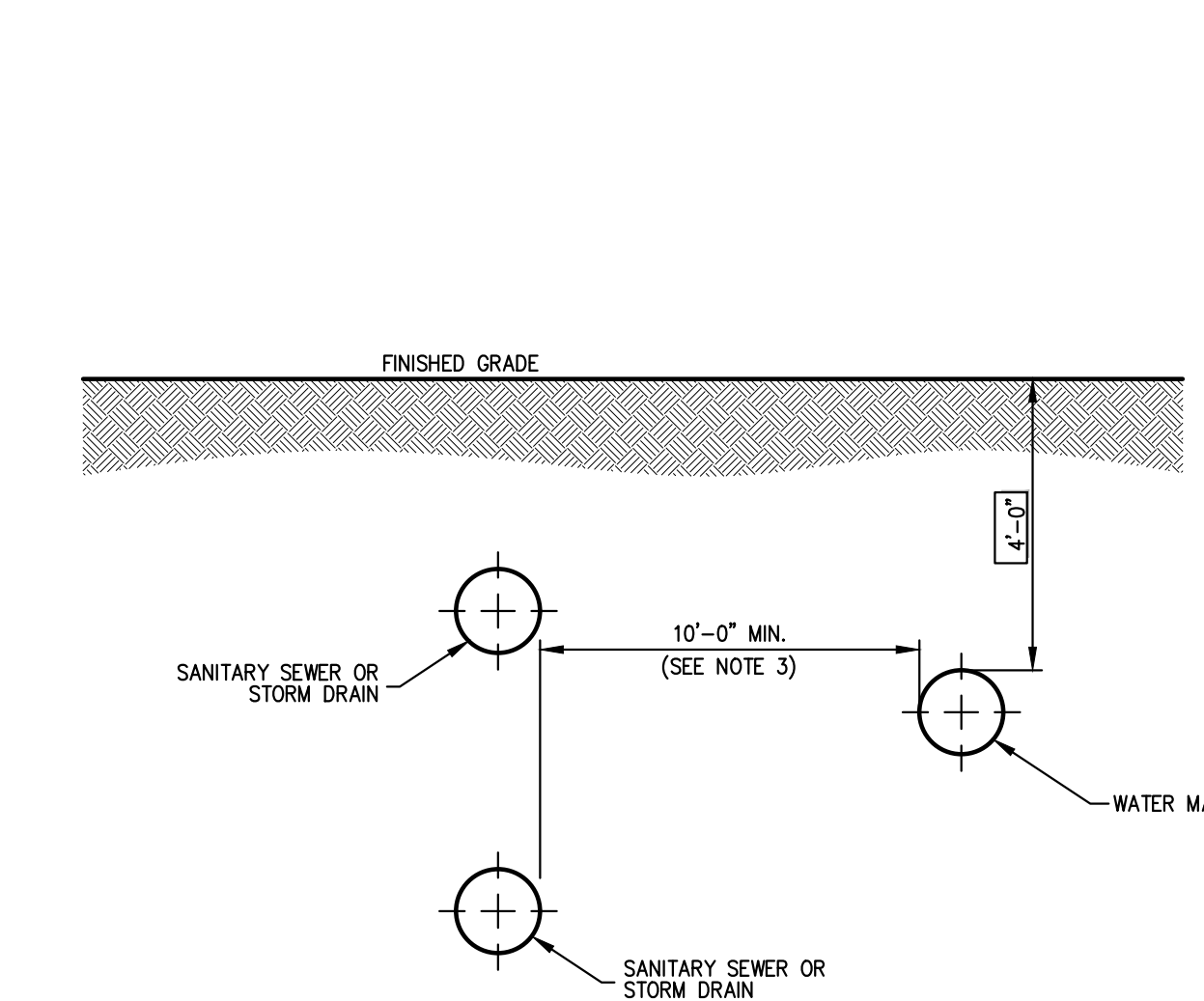
	4"	6"	8"	
	6"	7"	9"	
	8"	8"	10"	
	7"	7"	9"	

HORIZONTAL BEND CHART

		DIAMETER (D)				
BEND (CORRECTOR)		4"	6"	8"	10"	12"
1/32 (142)	A	8"	8"	8"	10"	12"
	B	7"	7"	8"	9"	10"
	C	7"	7"	7"	8"	8"
	*	7"	7"	7"	8"	8"

VERTICAL BEND CHART

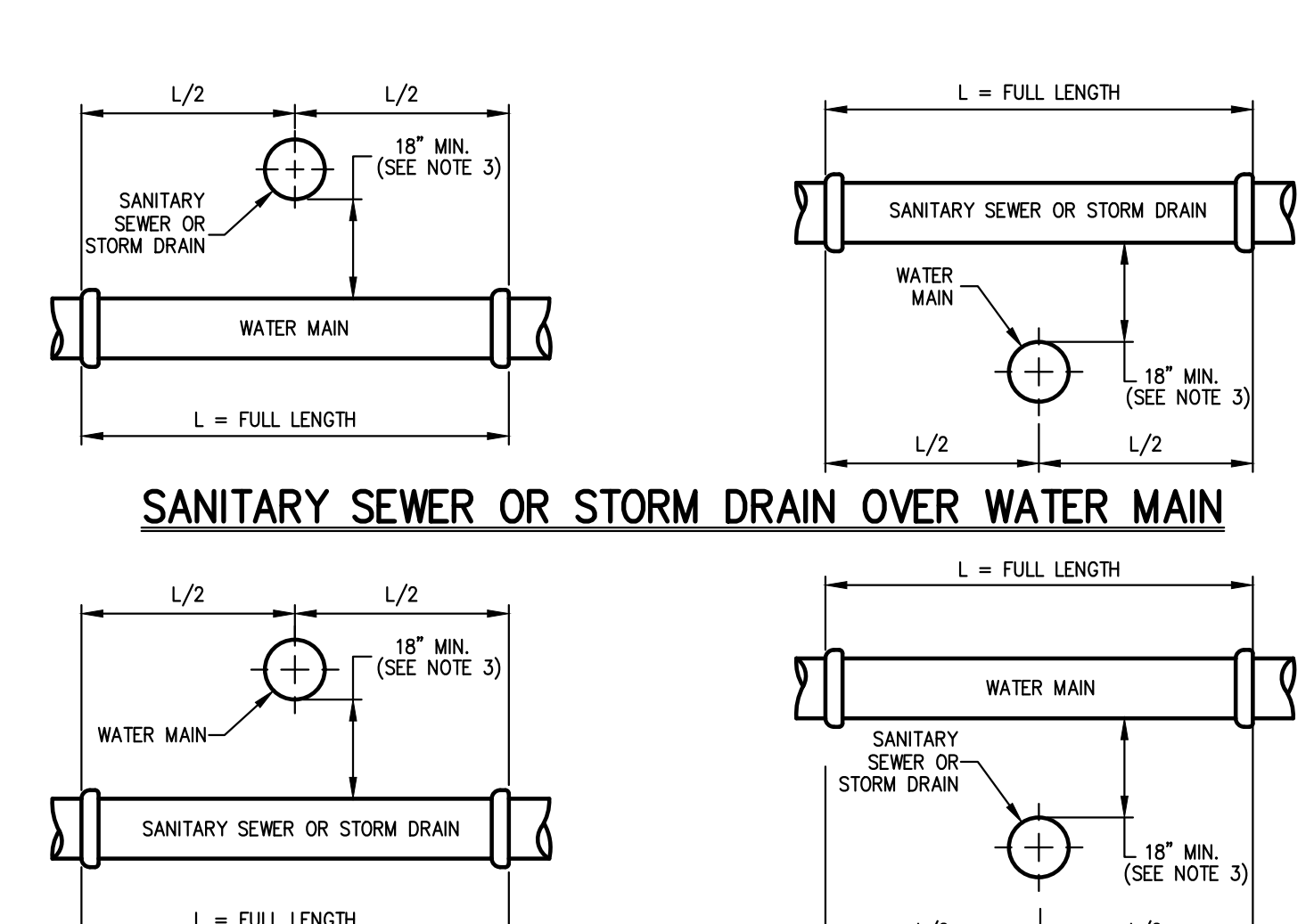
		DIAMETER (D)					
BEND (DEGREES)		4"	6"	8"	10"	12"	16"
	A	1'-6"	1'-6"	2'-0"	2'-6"	3'-0"	3'-6"
1/32 (112)	B	1'-3"	1'-3"	1'-9"	1'-3"	2'-0"	2'-0"



HORIZONTAL SEPARATION

NOTES:

1. NORMAL CONDITIONS: A. WHENEVER A WATER MAIN MUST CROSS OVER OR UNDER A SANITARY SEWER OR STORM DRAIN, THE PIPES SHALL BE LAD TO PROVIDE A VERTICAL SEPARATION BETWEEN THEM OF AT LEAST 18 INCHES, AS MEASURED FROM THE BOTTOM OF THE HIGHER PIPE TO THE CROWN OF THE LOWER PIPE. B. FULL LENGTH OF WATER PIPE MUST BE CENTERED AT THE POINT OF CROSSING. NO JOINTS WILL BE PERMITTED AT THE POINT OF CROSSING.
2. WATER MAIN CROSSING UNDER SANITARY SEWERS: A. VERTICAL SEPARATION OF 18 INCHES MUST BE PROVIDED. B. ADEQUATE STRUCTURAL SUPPORT MUST BE PROVIDED FOR THE SANITARY SEWER TO PREVENT EXCESSIVE DEFLECTION OF JOINTS AND SETTLING. C. FULL LENGTH OF WATER PIPE MUST BE CENTERED AT THE POINT OF CROSSING. NO JOINTS WILL BE PERMITTED AT THE POINT OF CROSSING.
3. IF DURING CONSTRUCTION IT IS FOUND THAT THE REQUIRED SEPARATION OF WATER MAINS, SANITARY SEWERS, STORM SEWERS AND BUILDING SANITARY SEWERS CANNOT BE MAINTAINED, THE CONTRACTOR SHALL BE REQUIRED TO REPRESENTATIVE SHALL, IN WRITING ADVISE JMC OF THE SPECIFIC CONDITIONS ENCOUNTERED. APPROVAL OF ALTERNATIVE SEPARATION CRITERIA SHALL BE OBTAINED FROM THE PUTNAM COUNTY HEALTH DEPARTMENT PRIOR TO INSTALLATION.



SANITARY SEWER OR STORM DRAIN OVER WATER MAIN

WATER MAIN OVER SANITARY SEWER OR STORM DRAIN

VERTICAL SEPARATION

TYPE II TRENCH

10

ANCHOR AND THRUST BLOCKS

11

SEPARATION OF WATER AND SANITARY SEWER/STORM DRAIN LINES

12

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CONSTRUCTION DETAILS
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TOWN OF SOUTHEAST, NEW YORK

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